

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1136.0020002	APPLICATION NO. 08/849,117
	APPLICANTS Hallenbeck et al.	
	FILING DATE May 28, 1997	GROUP To be assigned 1633

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
DTM	AL2	WO 95/12660	05/11/1995	RET WIPO			Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
DTM	AR	2	Chellappan, S. et al., "Adenovirus E14, simian virus 40 tumor antigen, and human papillomavirus E7 protein share the capacity to disrupt the interaction between transcription factor E2F and the retinoblastoma gene product," <i>Proc. Natl. Acad. Sci. USA</i> 89:4549-4553 (1992).
	AS	2	Chen, S.-H. et al., "Gene therapy for brain tumors: Regression of experimental gliomas by adenovirus-mediated gene transfer in vivo," <i>Proc. Natl. Acad. Sci. USA</i> 91:3054-3057 (April 1994).
	AT	2	Coghlan, A., "Gene dream fades away," <i>New Scientist</i> 145:14-15 (November 1995).

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	AL3						Yes No
	AM3						Yes No
	AN3						Yes No
	AO3						Yes No
	AP3						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	3	Cornelis, J.J. <i>et al.</i> , "Transformation of Human Fibroblasts by Ionizing Radiation, a Chemical Carcinogen, or Simian Virus 40 Correlates with an Increase in Susceptibility to the Autonomous Parvoviruses H-1 Virus and Minute Virus of Mice," <i>J. Virol.</i> 62(5):1679-1686 (1988).
	AS	3	Crystal, R.G., "Transfer of Genes to Humans: Early Lessons and Obstacles to Success," <i>Science</i> 270:404-410 (October 1995).
	AT	3	Culver, K.W. <i>et al.</i> , "In Vivo Gene Transfer with Retroviral Vector-Producer Cells for Treatment of Experimental Brain Tumors," <i>Science</i> 256:1550-1552 (1992).

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DM	AA1	5,416,017	05/16/1995	Burton <i>et al.</i>	435	240-2 325	03/25/1993
U	AB1	5,436,146	07/25/1995	Shenk <i>et al.</i>	435	472-3 455	01/21/1993
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	AL1	WO 90/05180	05/17/1990	PCT WIPO			Yes No
	AM1	EP 0 415 731 A3	03/06/1991	Europe			Yes No
	AN1	WO 93/09239	05/13/1993	PCT WIPO			Yes No
	AO1	WO 94/18992	09/01/1994	PCT WIPO			Yes No
	AP1	WO 95/11984	05/04/1995	PCT WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
DM	AR	1	Babiss, L.E. <i>et al.</i> , "Cellular Promoters Incorporated into the Adenovirus Genome: Effect of Viral DNA Replication on Endogenous and Exogenous Gene Transcription," <i>J. Mol. Biol.</i> 193:643-650 (1987).
U	AS	1	Blaese, R.M. <i>et al.</i> , "In situ Delivery of Suicide Genes for Cancer Treatment," <i>Eur. J. Cancer</i> 30A(8):1190-1193 (August 1994).
U	AT	1	Brown, D., "Gene Therapy 'Oversold' by Researchers, Journalists," <i>The Washington Post</i> , p. A22, December 8, 1995.

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dm	AR	4	Dillon, N., "Regulating gene expression in gene therapy," <i>TIBTECH</i> 11:167-173 (May 1993).
l	AS	4	Dooley, T.P. <i>et al.</i> , "Transactivation of the adenovirus E1a promoter in the absence of adenovirus E1A protein is restricted to mouse oocytes and preimplantation embryos," <i>Development</i> 107:945-956 (1989).
l	AT	4	Dynan, W.S., "Modularity in Promoters and Enhancers," <i>Cell</i> 58:1-4 (1989).
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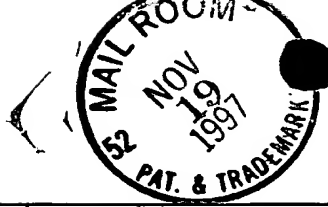
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
Dr	AR	2	Fattaey, A. <i>et al.</i> , "Replication of Adenovirus Mutants in Human Cancer Cells," Abstracts of papers presented at the 1994 meeting on Molecular Biology of Papovaviruses and Adenoviruses, August 17-August 21, 1994, Cold Spring Laboratory, Cold Spring Harbor, New York.
I	AS	2	Friedman, J.M. <i>et al.</i> , "Cellular Promoters Incorporated into the Adenovirus Genome: Cell Specificity of Albumin and Immunoglobulin Expression," <i>Molec. Cell. Biol.</i> 6(11):3791-3797 (1986).
U	AT	2	Fujiwara, T. <i>et al.</i> , "A Retroviral Wild-type p53 Expression Vector Penetrates Human Lung Cancer Spheroids and Inhibits Growth by Inducing Apoptosis," <i>Canc. Res.</i> 53:4129-4133 (September 1993).

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on	AR	6	Gerard, R.D. and Meidell, R.S., "Adenovirus-Mediated Gene Transfer," <i>TCM</i> 3(5):171-177 (May 1993).
	AS	6	Gordon, E.M. and Anderson, W.F., "Gene therapy using retroviral vectors," <i>Curr. Op. Biotechnol.</i> 5:611-616 (December 1994).
U	AT	6	Graham, F.L., "Growth of 293 Cells in Suspension Culture," <i>J. Gen. Virol.</i> 68:937-940 (1987).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>Dr</i>	AR	Z	Günzburg, W.H. and Salmons, B., "Mouse Mammary Tumor Virus Mediated Transfer and Expression of Neomycin Resistance to Infected Cultured Cells," <i>Virology</i> 155:236-248 (1986).
<i>I</i>	AS	Z	Günzburg, W.H. and Salmons, B., "Virus vector design in gene therapy," <i>Molec. Med. Today</i> 1(9):410-417 (December 1995).
<i>U</i> <i>Dr</i>	AT	Z	Harris, J.D. <i>et al.</i> , "Gene therapy for cancer using tumour-specific prodrug activation," <i>Gene Therapy</i> 1:170-175 (May 1994).

EXAMINER <i>Dr</i>	DATE CONSIDERED 4/7/98
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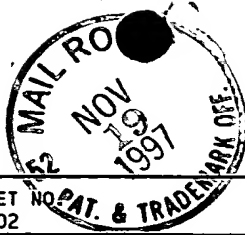
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	8	Hitt, M.M. and Graham, F.L., Adenovirus E1A under the Control of Heterologous Promoters: Wide Variation in E1A Expression Levels Has Little Effect on Virus Replication," <i>Virology</i> 179:667-678 (1990).
	AS	8	Horvath, J. <i>et al.</i> , "Complementation of Adenovirus Early Region 1a and 2a Mutants by Epstein-Barr Virus Immortalized Lymphoblastoid Cell Lines," <i>Virology</i> 184:141-148 (1991).
	AT	8	Horwitz, M.S., "Adenoviral Diseases," in <i>Virology</i> , Fields, B.N. <i>et al.</i> , eds., Raven Press, New York, pp. 477-495 (1985).
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Dr	AR	2	Huber, B.E. <i>et al.</i> , "Retroviral-mediated gene therapy for the treatment of hepatocellular carcinoma: An innovative approach for cancer therapy," <i>Proc. Natl. Acad. Sci. USA</i> 88:8039-8043 (1991).
I	AS	2	Imperiale, M.J. <i>et al.</i> , "Common control of the Heat Shock Gene and Early Adenovirus Genes: Evidence for a Cellular E1A-like Activity," <i>Molec. Cell. Biol.</i> 4(5):867-874 (1984).
U	AT	2	Kaneko, S. <i>et al.</i> , "Adenovirus-mediated Gene Therapy of Hepatocellular Carcinoma Using Cancer-specific Gene Expression," <i>Canc. Res.</i> 55:5283-5287 (November 1995).
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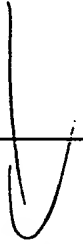

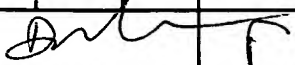
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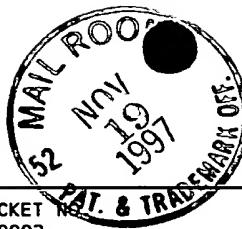
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	AR	<u>10</u>	La Thangue, N.B. and Rigby P.W.J., "An Adenovirus E1A-like Transcription Factor Is Regulated during the Differentiation of Murine Embryonal Carcinoma Stem Cells," <i>Cell</i> 49:507-513 (1987).
	AS	<u>10</u>	Ledley, F., "Nonviral Gene Therapy: The Promise of Genes as Pharmaceutical Products," <i>Hum. Gene Ther.</i> 6:1129-1144 (September 1995).
	AT	<u>10</u>	Lewin, B., "Oncogenic Conversion by Regulatory Changes in Transcription Factors," <i>Cell</i> 64:303-312 (1991).
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


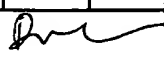
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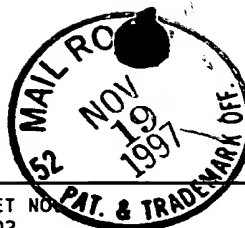
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	AR	11	Manome, Y. <i>et al.</i> , "Enhancer Sequences of the DF3 Gene Regulate Expression of the Herpes Simplex Virus Thymidine Kinase Gene and Confer Sensitivity of Human Breast Cancer Cells to Ganciclovir," <i>Canc. Res.</i> 54:5408-5413 (October 1994).
	AS	11	Mastrangelo, M.J. <i>et al.</i> , "Gene Therapy for Human Cancer: An Essay for Clinicians," <i>Seminars in Oncology</i> 23(1):4-21 (February 1996).
	AT	11	Misero, C. <i>et al.</i> , "Skin-specific Expression of a Truncated E1a Oncoprotein Binding to p105-Rb Leads to Abnormal Hair Follicle Maturation Without Increased Epidermal Proliferation," <i>J. Cell Biol.</i> 121:1109-1120 (June 1993).
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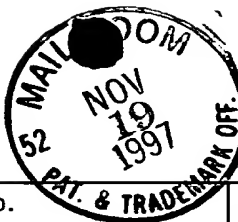
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on	AR	12	Moran, E., "Interaction of adenoviral proteins with pRB and p53," <i>FASEB J.</i> 7:880-885 (July 1993).
I	AS	12	Mulligan, R.C., "The Basic Science of Gene Therapy," <i>Science</i> 260:926-931 (May 1993).
U	AT	12	Nakamura, Y. <i>et al.</i> , "Adoptive Immunotherapy with Murine Tumor-specific T Lymphocytes Engineered to Secrete Interleukin 2," <i>Canc. Res.</i> 54:5757-5760 (November 1994).
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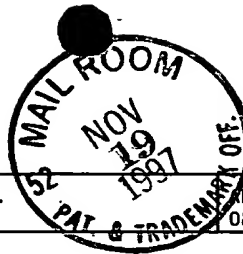
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Pr	AR	13	Ohno, T. <i>et al.</i> , "Gene Therapy for Vascular Smooth Muscle Cell Proliferation After Arterial Injury," <i>Science</i> 265:781-784 (August 1994).
	AS	13	Ookawa, K. <i>et al.</i> , "Reconstitution of the <i>RB</i> gene suppresses the growth of small-cell lung carcinoma cells carrying multiple genetic alterations," <i>Oncogene</i> 8(8):2175-2181 (August 1993).
U	AT	13	Orkin, S.H. and Motulsky, A.G., "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy," Published by NIH at Bethesda, MD, December 7, 1995.
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

DN	AR	14	Osaki, T. <i>et al.</i> , "Gene Therapy for Carcinoembryonic Antigen-producing Human Lung Cancer Cells by Cell Type-specific Expression of Herpes Simplex Virus Thymidine Kinase Gene," <i>Canc. Res.</i> 54:5258-5261 (October 1994).
I	AS	14	Pennisi, E., "Will a Twist of Viral Fate Lead To a New Cancer Treatment?" <i>Science</i> 274:342-343 (October 1996).
V	AT	14	Pulsieux, A. <i>et al.</i> , "p53 as a growth suppressor gene in HBV-related hepatocellular carcinoma cells," <i>Oncogene</i> 8:487-490 (February 1993).
EXAMINER	Date 4/7/98		

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>15</u>	Ringold, G.M. <i>et al.</i> , "Glucocorticoid-stimulated accumulation of mouse mammary tumor virus RNA: Increased rate of synthesis of viral RNA," <i>Proc. Natl. Acad. Sci. USA</i> 74(7):2879-2883 (1977).
	AS	<u>15</u>	Russell, S.J. <i>et al.</i> , "Transformation-Dependent Expression of Interleukin Genes Delivered by a Recombinant Parvovirus," <i>J. Virol.</i> 66(5):2821-2828 (1992).
	AT	<u>15</u>	Russell, S.J., "Replicating Vectors for Gene Therapy of Cancer: Risks, Limitations and Prospects," <i>Eur. J. Canc.</i> 30A:1165-1171 (August 1994).
EXAMINER	 6/7/98		

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>16</u>	Salmons, B. and Günzburg, W.H., "Targeting of Retroviral Vectors for Gene Therapy," <i>Human Gene Therapy</i> 4:129-141 (April 1993).
	AS	<u>16</u>	Schrewe, H. <i>et al.</i> , "Cloning of the Complete Gene for Carcinoembryonic Antigen: Analysis of Its Promoter Indicates a Region Conveying Cell Type-Specific Expression," <i>Molec. Cell. Biol.</i> 10(6):2738-2748 (1990).
	AT	<u>16</u>	Shenk, T. <i>et al.</i> , "Functional Analysis of Adenovirus-5 Host-range Deletion Mutants Defective for Transformation of Rat Embryo Cells," <i>Cold Spring Harbor Symp. Quant. Biol.</i> 44:367-375 (1979).
EXAMINER	4/7/98		





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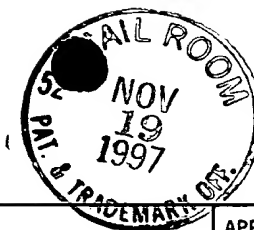
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	AR	17	Shimizu, E. <i>et al.</i> , "RB protein status and clinical correlation from 171 cell lines representing lung cancer, extrapulmonary small cell carcinoma, and mesothelioma," <i>Oncogene</i> 9:2441-2448 (September 1994).
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	AT	17	Sikora, K., "Genetic approaches to cancer therapy," <i>Gene Therapy</i> 1:149-151 (January 1994).
EXAMINER 	417 198		

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	AR	18	Spergel, J.M. and Chen-Kiang, S., "Interleukin 6 enhances a cellular activity that functionally substitutes for E1A protein in transactivation," <i>Proc. Natl. Acad. Sci. USA</i> 88:6472-6476 (1991).
	AS	18	Spergel, J.M. <i>et al.</i> , "NF-IL6, a Member of the C/EBP Family, Regulates E1A-Responsive Promoters in the Absence of E1A," <i>J. Virol.</i> 66(2):1021-1030 (1992).
	AT	18	Stratford-Perricaudet, L. and Perricaudet, M., "Gene transfer into animals: the promise of adenovirus," <i>Human Gene Transfer</i> 219:51-61 (1991).
EXAMINER		417198	

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	AR	12	Vile, R.G. and Hart, I.R., "Use of Tissue-specific Expression of the Herpes Simplex Virus Thymidine Kinase Gene to Inhibit Growth of Established Murine Melanomas following Direct Intratumoral Injection of DNA," <i>Canc. Res.</i> 53:3860-3864 (September 1993).
	AS	12	Vile, R.G. and Hart, I.R., "In Vitro and in Vivo Targeting of Gene Expression to Melanoma Cells," <i>Canc. Res.</i> 53:962-967 (March 1993).
	AT	12	Vile, R., "Gene Therapy and Cytokines," <i>British Journal of Cancer</i> 69(Supp. 21):3 Abstract S7 (March 1994).
EXAMINER		417178	

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<i>Don</i>	AR	<u>20</u>	Vile, R., "Direct Gene Transfer to Tumour Cells <i>In Vivo</i> ," <i>Gene Therapy</i> 1(Supp. 2):S6 Abstract A23 (November 1994).
<i>I</i>	AS	<u>20</u>	Yang, Y. <i>et al.</i> , "MHC Class I-Restricted Cytotoxic T Lymphocytes to Viral Antigens Destroy Hepatocytes in Mice Infected with E1-Deleted Recombinant Adenoviruses," <i>Immunity</i> 1:433-442 (August 1994).
<i>R</i>	AT	<u>20</u>	
EXAMINER <i>DW</i>	4/7/98		

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